Meeting with CS^2 Freshmen

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Director of CS^2

9/18/2024

CS^2

- started in 2013
- for CS majors only
  - If you change major, you will no longer be part of CS^2
- To graduate with CS^2 honors, you need to
  - satisfy the BS CS graduation requirements AND
  - satisfy the CS^2 graduation requirements
- If you satisfy the BS CS grad requirements but not the CS^2 grad requirements, you will get your BS CS degree but not CS^2 honors

CS^2 Courses and Graduation Requirements

- 1200: Intro to CS and SE
- 2305: Discrete I
- 2340: Comp. Architecture
- 3341: Prob. & Stats
- 3345: Data Structures
- 3354: Software Engg.
- 4141: Digital Logic Lab
- 4331: Digital Logic
- 4337: Programming Lang.
- 4348: Operating Systems
- 4349: Advanced Algo.
- 4365: AI
- 4375: Machine Learning
- 4384: Automata Theory

CS^2 Courses and Graduation Requirements

- 1200: Intro to CS and SE Fall
- 2305: Discrete I Fall
- 2340: Comp. Architecture Spring
- 3341: Prob. & Stats Fall
- 3345: Data Structures Fall
- 3354: Software Engg. Spring
- 4141: Digital Logic Lab Spring
- 4331: Digital Logic Spring
- 4337: Programming Lang. Spring
- 4348: Operating Systems Fall
- 4349: Advanced Algo. Fall
- 4365: AI Spring
- 4375: Machine Learning Fall
- 4384: Automata Theory Spring

CS^2 Courses and Graduation Requirements

1200: Intro to CS and SE	Fall	F24
2305: Discrete I	Fall	F24
2340: Comp. Architecture	Spring	S25
3341: Prob. & Stats	Fall	F25
3345: Data Structures	Fall	F25
3354: Software Engg.	Spring	--
4141: Digital Logic Lab	Spring	--
4331: Digital Logic	Spring	--
4337: Programming Lang.	Spring	--
4348: Operating Systems	Fall	--
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Choose at least 5

OR 6363: Graduate Algo.

OR 6364: Graduate AI

OR 6375: Graduate ML

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May need to be in Fast Track

Pre-requisites

- CS 3345 (Data Structures & Algorithms)
  - To be taken in your 3rd semester
  - Pre-reqs: CS/CE 2305 (Discrete I)
    CS 2336/2337 (CS II)

Other Graduation Requirements

- A grade of C+ or above for all CS^2 courses
- A CS GPA of at least 3.5
- An overall GPA of at least 3.2

Staying in CS^2

- Maintain
  - At least 15 hours of coursework per semester (unless you get my approval)
  - An overall GPA of at least 3.2 at the end of each semester
  - A CS GPA of at least 3.5 at the end of each semester

Staying in CS^2

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  - At least 15 hours of coursework per semester (unless you get my approval)
  - An overall GPA of at least 3.2 at the end of each semester
  - A CS GPA of at least 3.5 at the end of each semester
- If you don't meet these requirements but your overall GPA and CS GPA are at least 3.0, you will be on probation in the following semester

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  - A CS GPA of at least 3.5 at the end of each semester
- If you don't meet these requirements but your overall GPA and CS GPA are at least 3.0, you will be on probation in the following semester
  - If you still don't meet these requirements by the end of the following semester, you will be out of CS^2

Staying in CS^2

- If you want to succeed, you need to work hard

Research

- While we do not require you to take any research courses, research is strongly encouraged
  - Join research projects initiated by student organizations
    - ACM Research, AIS Research, …

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- While we do not require you to take any research courses, research is strongly encouraged
  - Join research projects initiated by student organizations
    - ACM Research, AIS Research, …
  - Approach a professor you have taken a course with or is in your area of interest (including profs outside CS)
    - Can be in the form of CS 4v98
    - Having research experience is a big plus as far as getting admitted to graduate programs is concerned
    - If you need help with identifying a professor, let me know

Study Abroad

- Your choice

- Can consider studying abroad during a summer semester or starting your 4th semester if you want to do it during one of the long semesters

Summer Internships and REUs

- REU (Research Experience for Undergraduates) at UTD or other institutions
- Occur outside CS^2
  - ECS Internship and Job Fairs

Social Events

- Happy hour
  - A one to two hour event where CS^2 students get together and chat
  - Typically once a month on Friday afternoons
- Research talk
  - A professor will come and present their research
  - Chance to interact with our faculty and other students
- CS^2 Hack
  - hackathon organized by CS^2 students

CS^2 Lounge

- A room with a couch and some tables and chairs
  - Used exclusively by CS^2 students
- Can rest/talk in the room
- Send me email if you want access to the room